

11 Conducted Output Power

11.1 WCDMA Measurement result

Table 11-1 WCDMA1900-BII #1

WCDMA1900-BII #1					
			Measured Power (dBm)		
Item		Tune-up	CH9538 1907.6 MHz	CH9400 1880 MHz	CH9262 1852.4 MHz
WCDMA	RMC	23.50	22.87	22.56	22.31
HSUPA	subtest1	22.00	21.46	21.35	21.24
	subtest2	22.00	21.01	20.91	20.87
	subtest3	22.00	20.60	20.47	20.45
	subtest4	22.00	21.59	21.45	21.35
	subtest5	22.00	21.95	21.75	21.79

Table 11-2 WCDMA1700-BIV #1

WCDMA1700-BIV #1					
			Measured Power (dBm)		
Item		Tune-up	CH1513 1752.6 MHz	CH1412 1732.4 MHz	CH1312 1712.4 MHz
WCDMA	RMC	23.00	21.97	21.96	22.19
HSUPA	subtest1	23.00	21.90	22.05	22.12
	subtest2	22.00	21.22	21.41	21.62
	subtest3	22.00	20.86	21.00	21.32
	subtest4	23.00	21.81	22.02	21.50
	subtest5	23.00	22.17	22.37	22.63

Table 11-3 WCDMA850-BV #1

WCDMA850-BV #1					
			Measured Power (dBm)		
Item		Tune-up	CH4233 846.6 MHz	CH4182 835.4 MHz	CH4132 826.4 MHz
WCDMA	RMC	24.00	23.03	23.10	23.04
HSUPA	subtest1	22.00	21.54	21.84	21.59
	subtest2	22.00	20.79	21.06	21.11
	subtest3	22.00	20.56	20.75	20.71
	subtest4	23.00	21.42	21.51	21.37
	subtest5	23.00	21.87	22.04	22.11

11.2 LTE Measurement result

Table 11-4 LTE1900-FDD2 #1

LTE1900-FDD2 #1										
SN	BandWidth	RB No./Start	Channel	Tune-up	Measured Power (dBm) & MPR					
					QPSK		16QAM			
					Measured Power	MPR	Measured Power	MPR		
	1.4MHz	1H	19193	23	22.28	0	21.22	1		
			18900	23	22.07	0	20.86	1		
			18607	23	21.78	0	20.73	1		
		1M	19193	23	22.55	0	21.46	1		
			18900	23	22.32	0	20.87	1		
			18607	23	21.81	0	21.04	1		
		1L	19193	23	22.41	0	21.32	1		
			18900	23	22.10	0	20.78	1		
			18607	23	21.62	0	20.84	1		
		3H	19193	23	22.31	0	21.48	1		
			18900	23	22.10	0	20.48	1		
			18607	23	21.78	0	20.63	1		
		3M	19193	23	22.38	0	21.90	1		
			18900	23	21.94	0	20.68	1		
			18607	23	21.73	0	20.69	1		
		3L	19193	23	22.43	0	21.86	1		
			18900	23	21.87	0	20.63	1		
			18607	23	21.55	0	20.82	1		
		6	19193	23	21.37	1	20.38	2		
			18900	23	20.91	1	19.79	2		
			18607	23	20.69	1	19.69	2		
			3MHz	1H	19185	23	22.41	0	21.36	1
					18900	23	22.16	0	21.32	1
					18615	23	21.89	0	20.36	1
				1M	19185	23	22.70	0	21.45	1
					18900	23	22.25	0	21.03	1
					18615	23	21.67	0	20.89	1
1L	19185			23	22.27	0	21.24	1		
	18900			23	22.12	0	21.24	1		
	18615			23	21.66	0	20.32	1		
8H	19185			23	21.61	1	20.30	2		
	18900			23	21.15	1	20.51	2		
	18615			23	20.92	1	20.05	2		
8M	19185			23	21.47	1	20.33	2		
	18900			23	21.10	1	20.48	2		
	18615			23	20.81	1	19.97	2		
8L	19185			23	21.37	1	20.25	2		
	18900			23	21.02	1	20.44	2		
	18615			23	20.82	1	19.88	2		
15	19185			23	21.39	1	20.47	2		
	18900			23	21.05	1	20.17	2		
	18615			23	20.87	1	19.78	2		
	5MHz			1H	19175	23	22.29	0	21.28	1
					18900	23	22.12	0	20.64	1
					18625	23	21.84	0	20.38	1
				1M	19175	23	22.43	0	20.73	1
					18900	23	22.19	0	20.58	1
					18625	23	21.82	0	20.36	1
		1L	19175	23	22.19	0	20.54	1		
			18900	23	22.04	0	20.50	1		
			18625	23	21.68	0	20.30	1		
		12H	19175	23	21.34	1	20.48	2		
			18900	23	21.16	1	20.03	2		
			18625	23	20.80	1	19.77	2		
		12M	19175	23	21.28	1	20.42	2		
			18900	23	21.00	1	19.97	2		
			18625	23	20.76	1	19.86	2		
		12L	19175	23	21.35	1	20.42	2		
			18900	23	20.95	1	19.91	2		
			18625	23	20.69	1	19.89	2		
		25	19175	23	21.44	1	20.64	2		
			18900	23	21.02	1	20.09	2		
			18625	23	20.85	1	19.77	2		



10MHz	1H	19150	23	22.32	0	21.47	1	
		18900	23	22.07	0	21.00	1	
		18650	23	21.83	0	21.21	1	
	1M	19150	23	22.44	0	21.68	1	
		18900	23	22.24	0	21.31	1	
		18650	23	21.81	0	21.31	1	
	1L	19150	23	22.16	0	21.39	1	
		18900	23	21.82	0	20.78	1	
		18650	23	21.77	0	21.14	1	
	25H	19150	23	21.54	1	20.77	2	
		18900	23	21.18	1	20.26	2	
		18650	23	21.17	1	20.15	2	
	25M	19150	23	21.46	1	20.71	2	
		18900	23	21.13	1	20.23	2	
		18650	23	21.01	1	20.11	2	
	25L	19150	23	21.33	1	20.57	2	
		18900	23	20.96	1	20.08	2	
		18650	23	20.93	1	19.86	2	
	50	19150	23	21.38	1	20.48	2	
		18900	23	21.05	1	20.15	2	
		18650	23	21.05	1	20.19	2	
	15MHz	1H	19125	23	22.49	0	21.48	1
			18900	23	22.36	0	20.63	1
			18675	23	21.78	0	21.46	1
		1M	19125	23	22.60	0	21.33	1
			18900	23	22.24	0	21.34	1
			18675	23	22.10	0	21.67	1
1L		19125	23	22.61	0	21.35	1	
		18900	23	21.82	0	20.57	1	
		18675	23	21.56	0	21.35	1	
36H		19125	23	21.28	1	20.43	2	
		18900	23	21.17	1	20.28	2	
		18675	23	20.80	1	19.81	2	
36M		19125	23	21.30	1	20.46	2	
		18900	23	21.09	1	20.21	2	
		18675	23	20.87	1	19.87	2	
36L		19125	23	21.28	1	20.44	2	
		18900	23	20.90	1	20.24	2	
		18675	23	20.67	1	19.89	2	
75		19125	23	21.23	1	20.39	2	
		18900	23	21.09	1	20.19	2	
		18675	23	20.82	1	19.87	2	
20MHz		1H	19100	23	22.59	0	21.10	1
			18900	23	22.30	0	21.01	1
			18700	23	21.68	0	20.37	1
		1M	19100	23	22.84	0	21.34	1
			18900	23	22.23	0	20.57	1
			18700	23	21.95	0	20.49	1
	1L	19100	23	22.47	0	21.19	1	
		18900	23	21.79	0	20.37	1	
		18700	23	21.46	0	20.16	1	
	50H	19100	23	21.33	1	20.45	2	
		18900	23	21.25	1	20.18	2	
		18700	23	20.90	1	19.96	2	
	50M	19100	23	21.43	1	20.47	2	
		18900	23	21.17	1	20.21	2	
		18700	23	20.85	1	19.94	2	
	50L	19100	23	21.49	1	20.53	2	
		18900	23	20.94	1	20.08	2	
		18700	23	20.83	1	19.88	2	
	100	19100	23	21.28	1	20.32	2	
		18900	23	21.15	1	20.21	2	
		18700	23	20.96	1	19.91	2	

Table 11-5 LTE850-FDD5 #1

LTE850-FDD5 #1								
BandWidth	RB No./Start	Channel	Tune-up	Measured Power (dBm) & MPR				
				QPSK		16QAM		
				Measured Power	MPR	Measured Power	MPR	
1.4MHz	1H	20643	23.5	22.57	0	21.59	1	
		20525	23.5	22.69	0	21.76	1	
		20407	23.5	22.39	0	21.17	1	
	1M	20643	23.5	22.66	0	21.55	1	
		20525	23.5	22.67	0	21.76	1	
		20407	23.5	22.56	0	21.78	1	
	1L	20643	23.5	22.54	0	21.52	1	
		20525	23.5	22.73	0	21.63	1	
		20407	23.5	22.42	0	21.74	1	
	3H	20643	23.5	22.43	0	21.61	1	
		20525	23.5	22.78	0	21.69	1	
		20407	23.5	22.57	0	21.00	1	
	3M	20643	23.5	22.43	0	21.86	1	
		20525	23.5	22.85	0	21.65	1	
		20407	23.5	22.69	0	21.02	1	
	3L	20643	23.5	22.56	0	21.90	1	
		20525	23.5	22.71	0	21.74	1	
		20407	23.5	22.59	0	21.58	1	
	6	20643	23.5	21.45	1	21.00	2	
		20525	23.5	21.57	1	20.79	2	
		20407	23.5	21.61	1	20.42	2	
	3MHz	1H	20635	23.5	22.54	0	21.62	1
			20525	23.5	22.77	0	21.61	1
			20415	23.5	22.36	0	21.71	1
		1M	20635	23.5	22.65	0	21.56	1
			20525	23.5	22.73	0	21.84	1
			20415	23.5	22.57	0	21.26	1
1L		20635	23.5	22.42	0	21.20	1	
		20525	23.5	22.71	0	21.41	1	
		20415	23.5	22.48	0	21.89	1	
8H		20635	23.5	21.62	1	20.44	2	
		20525	23.5	21.76	1	20.62	2	
		20415	23.5	21.49	1	20.59	2	
8M		20635	23.5	21.45	1	20.41	2	
		20525	23.5	21.68	1	20.67	2	
		20415	23.5	21.52	1	20.69	2	
8L		20635	23.5	21.50	1	20.37	2	
		20525	23.5	21.66	1	20.51	2	
		20415	23.5	21.59	1	20.74	2	
15		20635	23.5	21.46	1	20.33	2	
		20525	23.5	21.74	1	20.60	2	
		20415	23.5	21.51	1	20.64	2	
5MHz		1H	20625	23.5	22.28	0	21.00	1
			20525	23.5	22.46	0	21.03	1
			20425	23.5	22.50	0	21.19	1
		1M	20625	23.5	22.70	0	21.04	1
			20525	23.5	22.54	0	21.02	1
			20425	23.5	22.75	0	21.27	1
	1L	20625	23.5	22.51	0	21.04	1	
		20525	23.5	22.25	0	21.01	1	
		20425	23.5	22.57	0	21.43	1	
	12H	20625	23.5	21.46	1	20.58	2	
		20525	23.5	21.70	1	20.49	2	
		20425	23.5	21.46	1	20.41	2	
	12M	20625	23.5	21.44	1	20.44	2	
		20525	23.5	21.58	1	20.39	2	
		20425	23.5	21.51	1	20.49	2	
	12L	20625	23.5	21.41	1	20.42	2	
		20525	23.5	21.50	1	20.30	2	
		20425	23.5	21.41	1	20.57	2	
	25	20625	23.5	21.44	1	20.61	2	
		20525	23.5	21.61	1	20.50	2	
		20425	23.5	21.47	1	20.41	2	



10MHz	1H	20600	23.5	22.52	0	21.11	1
		20525	23.5	22.56	0	21.43	1
		20450	23.5	22.45	0	21.84	1
	1M	20600	23.5	22.77	0	21.70	1
		20525	23.5	22.91	0	21.82	1
		20450	23.5	22.80	0	22.01	1
	1L	20600	23.5	22.71	0	21.46	1
		20525	23.5	22.58	0	21.20	1
		20450	23.5	22.44	0	21.73	1
	25H	20600	23.5	21.51	1	20.65	2
		20525	23.5	21.59	1	20.42	2
		20450	23.5	21.62	1	20.75	2
	25M	20600	23.5	21.48	1	20.57	2
		20525	23.5	21.67	1	20.52	2
		20450	23.5	21.56	1	20.68	2
	25L	20600	23.5	21.49	1	20.56	2
		20525	23.5	21.54	1	20.42	2
		20450	23.5	21.45	1	20.37	2
	50	20600	23.5	21.38	1	20.40	2
		20525	23.5	21.62	1	20.45	2
		20450	23.5	21.56	1	20.52	2

Table 11-6 LTE700-FDD12 #1

LTE700-FDD12 #1								
BandWidth	RB No./Start	Channel	Tune-up	Measured Power (dBm) & MPR				
				QPSK		16QAM		
				Measured Power	MPR	Measured Power	MPR	
1.4MHz	1H	23173	23.8	22.85	0	21.98	1	
		23095	23.8	23.07	0	22.28	1	
		23017	23.8	23.19	0	22.50	1	
	1M	23173	23.8	23.12	0	22.15	1	
		23095	23.8	23.25	0	21.94	1	
		23017	23.8	23.28	0	22.64	1	
	1L	23173	23.8	22.03	0	22.25	1	
		23095	23.8	22.00	0	22.07	1	
		23017	23.8	22.25	0	21.55	1	
	3H	23173	23.8	22.99	0	21.87	1	
		23095	23.8	23.23	0	21.75	1	
		23017	23.8	23.13	0	22.04	1	
	3M	23173	23.8	22.97	0	22.01	1	
		23095	23.8	23.05	0	22.00	1	
		23017	23.8	23.11	0	22.14	1	
	3L	23173	23.8	22.91	0	22.07	1	
		23095	23.8	23.21	0	21.94	1	
		23017	23.8	22.97	0	22.15	1	
	6	23173	23.8	22.05	1	21.24	2	
		23095	23.8	22.23	1	20.90	2	
		23017	23.8	22.32	1	21.15	2	
	3MHz	1H	23165	23.8	22.75	0	21.86	1
			23095	23.8	23.01	0	22.05	1
			23025	23.8	23.27	0	22.47	1
		1M	23165	23.8	23.02	0	22.27	1
			23095	23.8	23.11	0	22.30	1
			23025	23.8	23.20	0	22.56	1
1L		23165	23.8	23.23	0	22.03	1	
		23095	23.8	23.06	0	22.00	1	
		23025	23.8	22.99	0	22.35	1	
8H		23165	23.8	22.09	1	21.13	2	
		23095	23.8	22.22	1	20.88	2	
		23025	23.8	22.24	1	21.24	2	
8M		23165	23.8	22.27	1	21.36	2	
		23095	23.8	22.15	1	20.84	2	
		23025	23.8	22.15	1	21.22	2	
8L		23165	23.8	22.22	1	21.10	2	
		23095	23.8	22.18	1	20.90	2	
		23025	23.8	22.17	1	21.25	2	
15		23165	23.8	22.10	1	20.97	2	
		23095	23.8	22.15	1	21.07	2	
		23025	23.8	22.22	1	21.26	2	
5MHz		1H	23155	23.8	22.81	0	21.63	1
			23095	23.8	23.09	0	21.56	1
			23035	23.8	23.09	0	21.82	1
		1M	23155	23.8	23.49	0	22.45	1
			23095	23.8	22.88	0	21.93	1
			23035	23.8	23.70	0	22.16	1
	1L	23155	23.8	23.08	0	21.99	1	
		23095	23.8	22.98	0	21.67	1	
		23035	23.8	23.08	0	21.75	1	
	12H	23155	23.8	22.08	1	21.02	2	
		23095	23.8	22.17	1	21.02	2	
		23035	23.8	22.28	1	21.23	2	
	12M	23155	23.8	22.20	1	21.21	2	
		23095	23.8	22.07	1	21.01	2	
		23035	23.8	22.26	1	21.29	2	
	12L	23155	23.8	22.08	1	21.29	2	
		23095	23.8	22.06	1	21.02	2	
		23035	23.8	22.09	1	20.88	2	
	25	23155	23.8	22.00	1	21.14	2	
		23095	23.8	22.17	1	21.02	2	
		23035	23.8	22.24	1	21.08	2	



10MHz	1H	23130	23.8	22.86	0	21.93	1
		23095	23.8	23.38	0	22.19	1
		23060	23.8	23.03	0	22.02	1
	1M	23130	23.8	23.33	0	22.52	1
		23095	23.8	23.01	0	22.29	1
		23060	23.8	23.31	0	22.48	1
	1L	23130	23.8	22.88	0	21.90	1
		23095	23.8	23.02	0	22.04	1
		23060	23.8	22.98	0	21.78	1
	25H	23130	23.8	22.11	1	21.21	2
		23095	23.8	22.05	1	21.18	2
		23060	23.8	22.06	1	21.17	2
	25M	23130	23.8	22.20	1	21.18	2
		23095	23.8	22.08	1	20.93	2
		23060	23.8	22.20	1	21.16	2
	25L	23130	23.8	22.10	1	21.10	2
		23095	23.8	22.06	1	21.02	2
		23060	23.8	22.15	1	21.27	2
	50	23130	23.8	22.21	1	21.18	2
		23095	23.8	22.16	1	21.11	2
		23060	23.8	22.17	1	21.09	2

Table 11-7 LTE700-FDD14 #1

LTE700-FDD14 #1								
BandWidth	RB No./Start	Channel	Tune-up	Measured Power (dBm) & MPR				
				QPSK		16QAM		
				Measured Power	MPR	Measured Power	MPR	
5MHz	1H	23355	24	23.08	0	22.07	1	
		23330	24	23.16	0	21.77	1	
		23305	24	22.94	0	22.21	1	
	1M	23355	24	23.21	0	21.92	1	
		23330	24	23.56	0	22.25	1	
		23305	24	23.09	0	22.41	1	
	1L	23355	24	23.37	0	21.92	1	
		23330	24	23.60	0	22.02	1	
		23305	24	22.91	0	21.76	1	
	12H	23355	24	22.30	1	21.26	2	
		23330	24	22.28	1	21.25	2	
		23305	24	22.32	1	21.32	2	
	12M	23355	24	22.26	1	21.33	2	
		23330	24	22.34	1	21.29	2	
		23305	24	22.36	1	21.33	2	
	12L	23355	24	22.25	1	21.17	2	
		23330	24	22.28	1	21.41	2	
		23305	24	22.25	1	21.21	2	
	25	23355	24	22.18	1	21.28	2	
		23330	24	22.24	1	21.31	2	
		23305	24	22.26	1	21.27	2	
	10MHz	1H	23330	24	23.06	0	21.86	1
		1M	23330	24	23.54	0	22.76	1
		1L	23330	24	23.08	0	21.74	1
25H		23330	24	22.20	1	21.27	2	
25M		23330	24	22.30	1	21.41	2	
25L		23330	24	22.32	1	21.11	2	
50		23330	24	22.20	1	21.12	2	

Table 11-8 LTE2300-FDD30 #1

LTE2300-FDD30 #1							
BandWidth	RB No./Start	Channel	Tune-up	Measured Power (dBm) & MPR			
				QPSK		16QAM	
				Measured Power	MPR	Measured Power	MPR
5MHz	1H	27735	23.5	22.98	0	21.27	1
		27710	23.5	22.66	0	21.42	1
		27685	23.5	22.62	0	21.77	1
	1M	27735	23.5	23.20	0	21.97	1
		27710	23.5	23.14	0	21.88	1
		27685	23.5	22.77	0	21.97	1
	1L	27735	23.5	22.89	0	21.53	1
		27710	23.5	22.71	0	21.54	1
		27685	23.5	22.59	0	21.68	1
	12H	27735	23.5	21.81	1	20.83	2
		27710	23.5	21.80	1	20.83	2
		27685	23.5	21.94	1	20.81	2
	12M	27735	23.5	21.90	1	21.03	2
		27710	23.5	22.05	1	20.99	2
		27685	23.5	22.05	1	20.87	2
	12L	27735	23.5	21.84	1	20.97	2
		27710	23.5	22.05	1	20.98	2
		27685	23.5	21.82	1	20.64	2
	25	27735	23.5	21.75	1	21.00	2
		27710	23.5	21.94	1	20.88	2
		27685	23.5	21.99	1	20.83	2
10MHz	1H	27710	23.5	22.98	0	22.01	1
	1M	27710	23.5	23.32	0	22.50	1
	1L	27710	23.5	23.09	0	22.06	1
	25H	27710	23.5	21.93	1	21.04	2
	25M	27710	23.5	22.08	1	21.19	2
	25L	27710	23.5	22.01	1	21.18	2
	50	27710	23.5	21.89	1	20.86	2

Table 11-9 LTE1700-FDD66 #1

LTE1700-FDD66 #1									
SN	BandWidth	RB No./Start	Channel	Tune-up	Measured Power (dBm) & MPR				
					QPSK		16QAM		
					Measured Power	MPR	Measured Power	MPR	
1.4MHz	1H		132665	23	21.89	0	20.27	1	
			132322	23	21.91	0	21.23	1	
			131979	23	22.04	0	21.19	1	
	1M		132665	23	21.89	0	20.20	1	
			132322	23	22.04	0	21.15	1	
			131979	23	22.06	0	20.61	1	
	1L		132665	23	21.82	0	20.74	1	
			132322	23	22.05	0	20.86	1	
			131979	23	22.07	0	20.62	1	
	3H		132665	23	21.83	0	21.03	1	
			132322	23	22.05	0	20.92	1	
			131979	23	22.08	0	20.95	1	
	3M		132665	23	21.80	0	21.07	1	
			132322	23	21.97	0	20.92	1	
			131979	23	22.07	0	21.22	1	
	3L		132665	23	21.74	0	21.05	1	
			132322	23	22.04	0	20.99	1	
			131979	23	22.00	0	21.31	1	
	6		132665	23	20.64	1	19.64	2	
			132322	23	20.89	1	20.04	2	
			131979	23	20.98	1	20.08	2	
	3MHz	1H		132657	23	21.84	0	20.89	1
				132322	23	21.75	0	20.99	1
				131987	23	21.85	0	21.12	1
		1M		132657	23	21.80	0	20.81	1
				132322	23	21.93	0	20.90	1
				131987	23	21.77	0	21.11	1
1L			132657	23	21.74	0	20.84	1	
			132322	23	21.91	0	21.07	1	
			131987	23	21.99	0	21.17	1	
8H			132657	23	20.76	1	19.60	2	
			132322	23	21.07	1	20.49	2	
			131987	23	21.16	1	20.23	2	
8M			132657	23	20.74	1	19.67	2	
			132322	23	20.96	1	20.43	2	
			131987	23	21.16	1	19.82	2	
8L			132657	23	20.74	1	19.63	2	
			132322	23	20.92	1	20.40	2	
			131987	23	21.18	1	20.07	2	
15			132657	23	20.72	1	19.82	2	
			132322	23	20.94	1	20.05	2	
			131987	23	21.13	1	20.03	2	
5MHz		1H		132647	23	21.94	0	20.74	1
				132322	23	21.98	0	20.80	1
				131997	23	21.95	0	20.55	1
		1M		132647	23	21.97	0	20.72	1
				132322	23	21.86	0	20.74	1
				131997	23	21.97	0	20.77	1
	1L		132647	23	21.95	0	20.64	1	
			132322	23	21.80	0	20.37	1	
			131997	23	21.99	0	20.50	1	
	12H		132647	23	20.76	1	19.87	2	
			132322	23	20.98	1	20.07	2	
			131997	23	21.25	1	20.34	2	
	12M		132647	23	20.80	1	19.96	2	
			132322	23	20.90	1	20.15	2	
			131997	23	21.11	1	20.33	2	
	12L		132647	23	20.88	1	19.76	2	
			132322	23	20.94	1	20.10	2	
			131997	23	21.24	1	20.34	2	
	25		132647	23	20.79	1	19.74	2	
			132322	23	21.08	1	20.07	2	
			131997	23	21.20	1	20.29	2	



10MHz	1H	132622	23	21.89	0	20.79	1
		132322	23	22.11	0	21.47	1
		132022	23	22.01	0	21.18	1
	1M	132622	23	21.94	0	20.78	1
		132322	23	22.12	0	21.40	1
		132022	23	22.13	0	21.45	1
	1L	132622	23	21.79	0	20.75	1
		132322	23	22.01	0	20.89	1
		132022	23	22.19	0	21.03	1
	25H	132622	23	20.63	1	19.92	2
		132322	23	21.05	1	19.93	2
		132022	23	21.05	1	20.06	2
	25M	132622	23	20.87	1	20.04	2
		132322	23	21.04	1	19.97	2
		132022	23	21.17	1	20.21	2
	25L	132622	23	20.78	1	19.99	2
		132322	23	20.97	1	20.05	2
		132022	23	21.10	1	20.19	2
50	132622	23	20.67	1	19.74	2	
	132322	23	21.02	1	20.06	2	
	132022	23	21.08	1	20.15	2	
15MHz	1H	132597	23	21.63	0	20.65	1
		132322	23	21.89	0	20.90	1
		132047	23	21.67	0	20.24	1
	1M	132597	23	21.91	0	20.86	1
		132322	23	21.81	0	20.63	1
		132047	23	21.71	0	20.59	1
	1L	132597	23	21.84	0	20.85	1
		132322	23	21.51	0	20.49	1
		132047	23	21.84	0	20.36	1
	36H	132597	23	20.55	1	19.70	2
		132322	23	21.04	1	19.92	2
		132047	23	20.91	1	20.17	2
	36M	132597	23	20.79	1	19.78	2
		132322	23	21.02	1	19.98	2
		132047	23	21.13	1	20.24	2
	36L	132597	23	20.81	1	19.73	2
		132322	23	20.92	1	19.87	2
		132047	23	21.08	1	20.21	2
75	132597	23	20.68	1	19.70	2	
	132322	23	21.05	1	20.04	2	
	132047	23	21.03	1	20.06	2	
20MHz	1H	132572	23	21.15	0	20.86	1
		132322	23	21.89	0	20.59	1
		132072	23	21.50	0	20.69	1
	1M	132572	23	21.83	0	20.75	1
		132322	23	22.13	0	20.59	1
		132072	23	22.00	0	20.86	1
	1L	132572	23	21.37	0	20.65	1
		132322	23	21.69	0	20.52	1
		132072	23	21.78	0	20.64	1
	50H	132572	23	20.49	1	19.69	2
		132322	23	20.90	1	20.07	2
		132072	23	20.98	1	20.06	2
	50M	132572	23	20.67	1	19.87	2
		132322	23	20.87	1	19.98	2
		132072	23	20.90	1	20.06	2
	50L	132572	23	20.69	1	19.80	2
		132322	23	20.95	1	20.07	2
		132072	23	20.98	1	20.12	2
100	132572	23	20.51	1	19.72	2	
	132322	23	21.09	1	20.04	2	
	132072	23	20.89	1	20.12	2	

11.3 Wi-Fi and BT Measurement result

Table 11-10 Bluetooth Power

Bluetooth Power				
Mode	Channel	Frequency	Tune-up	Measured
GFSK	78	2480 MHz	9.5	9.29
	39	2441 MHz	9.5	9.5
	0	2402 MHz	9.5	9.4
EDR2M-4_DQPSK	78	2480 MHz	9.5	8.26
	39	2441 MHz	9.5	9.03
	0	2402 MHz	9.5	8.81
EDR3M-8DPSK	78	2480 MHz	9.5	8.29
	39	2441 MHz	9.5	9.12
	0	2402 MHz	9.5	8.91

Table 11-11 WLAN2450 #1

Mode	Channel	Frequency	Data Rate	Tune-up	Measured	
802.11b	11	2462 MHz	1Mbps	20.50	19.09	
	6	2437 MHz		20.50	20.04	
	1	2412 MHz		20.50	19.00	
	802.11b	11	2462 MHz	2Mbps	/	/
		6	2437 MHz		20.50	19.84
		1	2412 MHz		/	/
	802.11b	11	2462 MHz	5.5Mbps	/	/
		6	2437 MHz		20.50	19.99
		1	2412 MHz		/	/
	802.11b	11	2462 MHz	11Mbps	/	/
		6	2437 MHz		20.50	19.53
		1	2412 MHz		/	/
802.11g	11	2462 MHz	6Mbps	16.50	15.24	
	6	2437 MHz		16.50	16.28	
	1	2412 MHz		16.50	15.11	
	802.11g	11	2462 MHz	9Mbps	/	/
		6	2437 MHz		16.50	16.07
		1	2412 MHz		/	/
	802.11g	11	2462 MHz	12Mbps	/	/
		6	2437 MHz		16.50	15.83
		1	2412 MHz		/	/
	802.11g	11	2462 MHz	18Mbps	/	/
		6	2437 MHz		16.50	15.47
		1	2412 MHz		/	/
	802.11g	11	2462 MHz	24Mbps	/	/
		6	2437 MHz		16.50	15.13
		1	2412 MHz		/	/
	802.11g	11	2462 MHz	36Mbps	/	/
		6	2437 MHz		16.50	14.57
		1	2412 MHz		/	/
	802.11g	11	2462 MHz	48Mbps	/	/
		6	2437 MHz		14.50	14.09
		1	2412 MHz		/	/
	802.11g	11	2462 MHz	54Mbps	/	/
		6	2437 MHz		14.50	13.95
		1	2412 MHz		/	/

802.11n 20M	11	2462 MHz	MCS0	13.00	11.34
	6	2437 MHz		13.00	12.53
	1	2412 MHz		13.00	11.22
	11	2462 MHz	MCS1	/	/
	6	2437 MHz		13.00	12.11
	1	2412 MHz		/	/
	11	2462 MHz	MCS2	/	/
	6	2437 MHz		13.00	11.78
	1	2412 MHz		/	/
	11	2462 MHz	MCS3	/	/
	6	2437 MHz		13.00	11.42
	1	2412 MHz		/	/
	11	2462 MHz	MCS4	/	/
	6	2437 MHz		11.00	10.89
	1	2412 MHz		/	/
	11	2462 MHz	MCS5	/	/
	6	2437 MHz		11.00	10.44
	1	2412 MHz		/	/
	11	2462 MHz	MCS6	/	/
	6	2437 MHz		11.00	10.27
	1	2412 MHz		/	/
11	2462 MHz	MCS7	/	/	
6	2437 MHz		11.00	10.08	
1	2412 MHz		/	/	
802.11n 40M	9	2452 MHz	MCS0	10.00	8.45
	6	2437 MHz		10.00	9.27
	3	2422 MHz		10.00	8.73
	9	2452 MHz	MCS1	/	/
	6	2437 MHz		10.00	8.59
	3	2422 MHz		/	/
	9	2452 MHz	MCS2	/	/
	6	2437 MHz		10.00	8.05
	3	2422 MHz		/	/
	9	2452 MHz	MCS3	/	/
	6	2437 MHz		8.00	7.61
	3	2422 MHz		/	/
	9	2452 MHz	MCS4	/	/
	6	2437 MHz		8.00	6.88
	3	2422 MHz		/	/
	9	2452 MHz	MCS5	/	/
	6	2437 MHz		8.00	6.41
	3	2422 MHz		/	/
	9	2452 MHz	MCS6	/	/
	6	2437 MHz		8.00	6.23
	3	2422 MHz		/	/
9	2452 MHz	MCS7	/	/	
6	2437 MHz		8.00	6.04	
3	2422 MHz		/	/	

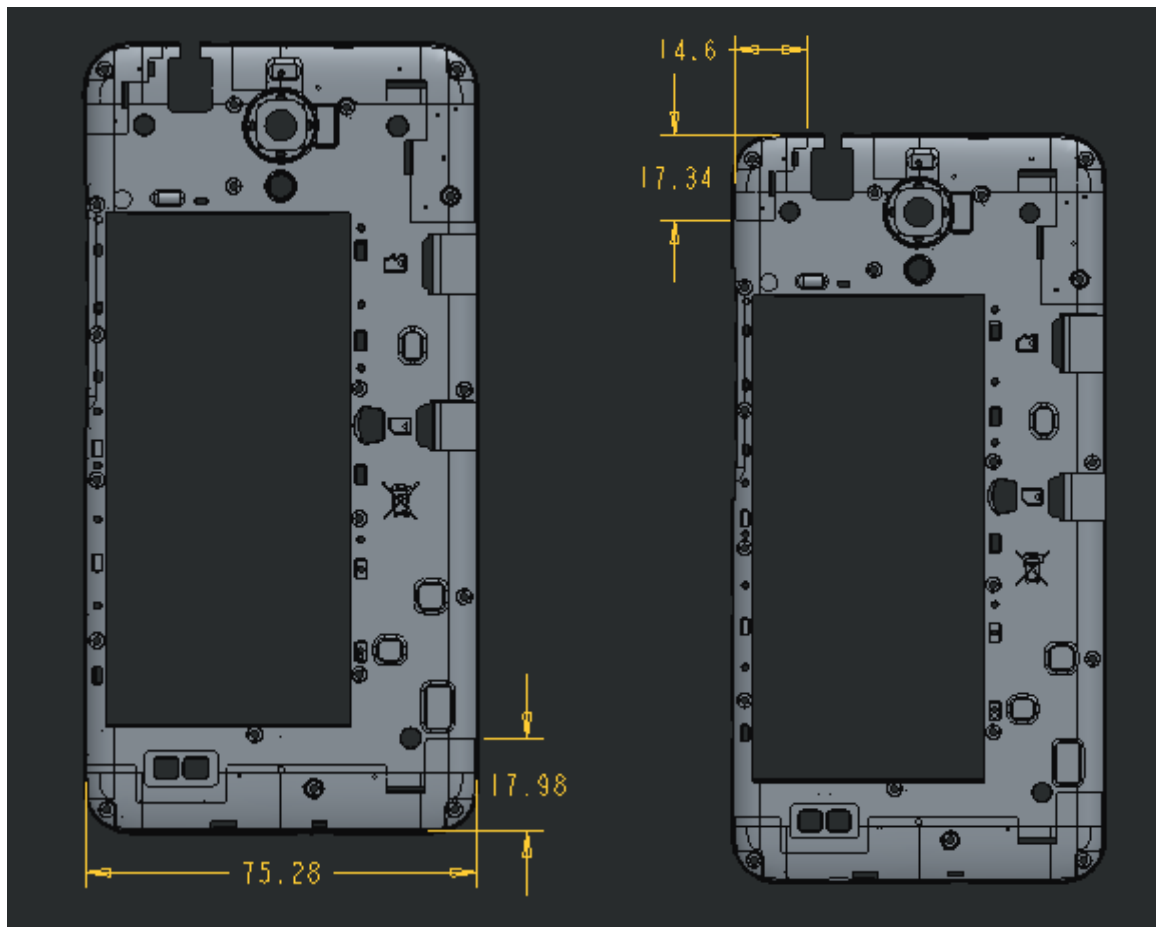
12 Simultaneous TX SAR Considerations

12.1 Introduction

The following procedures adopted from “FCC SAR Considerations for Cell Phones with Multiple Transmitters” are applicable to handsets with built-in unlicensed transmitters such as 802.11 a/b/g and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

For this device, the BT and Wi-Fi can transmit simultaneous with other transmitters.

12.2 Transmit Antenna Separation Distances



Main

Wifi/BT

Picture 12.1 Antenna Locations

12.3 SAR Measurement Positions

According to the KDB941225 D06 Hot Spot SAR v01, the edges with less than 2.5 cm distance to the antennas need to be tested for SAR.

SAR measurement positions						
Mode	Front	Rear	Left edge	Right edge	Top edge	Bottom edge
Main antenna	Yes	Yes	Yes	Yes	No	Yes
WLAN	Yes	Yes	No	Yes	Yes	No

12.4 Standalone SAR Test Exclusion Considerations

Standalone 1-g head or body SAR evaluation by measurement or numerical simulation is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied. The 1-g SAR test exclusion threshold for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Table 12.1: Standalone SAR test exclusion considerations

Band/Mode	F(GHz)	Position	SAR test exclusion threshold (mW)	RF output power		SAR test exclusion
				dBm	mW	
Bluetooth	2.441	Head	9.6	9.5	8.91	Yes
		Body	9.6	9.5	8.91	Yes
2.4GHz WLAN 802.11 b	2.45	Head	9.58	21	125.89	No
		Body	9.58	21	125.89	No

13 Evaluation of Simultaneous

Table 13.1: The sum of reported SAR values for main antenna and WiFi

	Position	Main antenna	WiFi	Sum
Highest reported SAR value for Head	Left hand, Touch cheek	0.47	0.56	1.03
Highest reported SAR value for Body	Rear	0.74	0.24	0.98

Table 13.2: The sum of reported SAR values for main antenna and BT

	Position	Main antenna	BT	Sum
Maximum reported SAR value for Head	Left hand, Touch cheek	0.47	0.37	0.84
Maximum reported SAR value for Body	Rear	0.74	0.19	0.93

[1] - Estimated SAR for Bluetooth (see the table 13.3)

Table 13.3: Estimated SAR for Bluetooth

Mode/Band	F (GHz)	Position	Distance (mm)	Upper limit of power *		Estimated _{1g} (W/kg)
				dBm	mW	
Bluetooth	2.441	Head	5	9.5	8.91	0.37
Bluetooth	2.441	Body	10	9.5	8.91	0.19

* - Maximum possible output power declared by manufacturer

When standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm) · [$\sqrt{f(\text{GHz})/x}$] W/kg for test separation distances ≤ 50 mm;

where $x = 7.5$ for 1-g SAR.

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

Conclusion:

According to the above tables, the sum of reported SAR values is < 1.6 W/kg. So the simultaneous transmission SAR with volume scans is not required.

14 SAR Test Result

It is determined by user manual for the distance between the EUT and the phantom bottom.

The distance is 10 mm and just applied to the condition of body worn accessory.

It is performed for all SAR measurements with area scan based 1-g SAR estimation (Fast SAR). A zoom scan measurement is added when the estimated 1-g SAR is the highest measured SAR in each exposure configuration, wireless mode and frequency band combination or more than 1.2W/kg.

The calculated SAR is obtained by the following formula:

$$\text{Reported SAR} = \text{Measured SAR} \times 10^{(P_{\text{Target}} - P_{\text{Measured}})/10}$$

Where P_{Target} is the power of manufacturing upper limit;

P_{Measured} is the measured power in chapter 11.

Mode	Duty Cycle
WCDMA<E	1:1

14.1 SAR results

Table 14-1 WCDMA1900-BII #1Head

WCDMA1900-BII #1Head								
Ambient Temperature: 22.5			Liquid Temperature: 22.3					
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			CH9538 1907.6 MHz	CH9400 1880 MHz	CH9262 1852.4 MHz	CH9538 1907.6 MHz	CH9400 1880 MHz	CH9262 1852.4 MHz
RMC	Tune-up		23.50	23.50	23.50	Scaling factor*		
	Slot Average Power [dBm]		22.87	22.56	22.31	1.16	1.24	1.32
	Left Cheek	1g SAR	0.088	0.106	0.098	0.10	0.13	0.13
		10g SAR	0.048	0.062	0.055	0.06	0.08	0.07
		Deviation	0.04	0.06	-0.01	0.04	0.06	-0.01
	Left Tilt	1g SAR		0.056			0.07	
		10g SAR		0.032			0.04	
		Deviation		0.05			0.05	
	Right Cheek	1g SAR		0.085			0.11	
		10g SAR		0.043			0.05	
		Deviation		-0.05			-0.05	
	Right Tilt	1g SAR		0.055			0.07	
		10g SAR		0.026			0.03	
		Deviation		-0.02			-0.02	

Table 14-2 WCDMA1900-BII #1Body

WCDMA1900-BII #1Body									
Ambient Temperature:			22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]			
			CH9538 1907.6 MHz	CH9400 1880 MHz	CH9262 1852.4 MHz	CH9538 1907.6 MHz	CH9400 1880 MHz	CH9262 1852.4 MHz	
RMC	Tune-up		23.50	23.50	23.50	Scaling factor*			
	Slot Average Power [dBm]		22.87	22.56	22.31	1.16	1.24	1.32	
	Front	1g SAR		0.347			0.43		
		10g SAR		0.212			0.26		
		Deviation		-0.04			-0.04		
	Rear	1g SAR		0.437			0.54		
		10g SAR		0.23			0.29		
		Deviation		-0.09			-0.09		
	Left edge	1g SAR		0.097			0.12		
		10g SAR		0.057			0.07		
		Deviation		0.01			0.01		
	Right edge	1g SAR		0.083			0.10		
		10g SAR		0.049			0.06		
		Deviation		0.04			0.04		
	Bottom edge	1g SAR	0.464	0.469	0.461	0.54	0.58	0.61	
		10g SAR	0.265	0.267	0.266	0.31	0.33	0.35	
Deviation		0.06	-0.11	-0.01	0.06	-0.11	-0.01		

Table 14-3 WCDMA1700-BIV #1Head

WCDMA1700-BIV #1Head									
Ambient Temperature:			22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]			
			CH1513 1752.6 MHz	CH1412 1732.4 MHz	CH1312 1712.4 MHz	CH1513 1752.6 MHz	CH1412 1732.4 MHz	CH1312 1712.4 MHz	
RMC	Tune-up		23.00	23.00	23.00	Scaling factor*			
	Slot Average Power [dBm]		21.97	21.96	22.19	1.27	1.27	1.21	
	Left Cheek	1g SAR		0.135			0.17		
		10g SAR		0.088			0.11		
		Deviation		0.05			0.05		
	Left Tilt	1g SAR		0.107			0.14		
		10g SAR		0.066			0.08		
		Deviation		-0.02			-0.02		
	Right Cheek	1g SAR	0.274	0.263	0.242	0.35	0.33	0.29	
		10g SAR	0.175	0.169	0.157	0.22	0.21	0.19	
		Deviation	-0.16	0.08	0.01	-0.16	0.08	0.01	
	Right Tilt	1g SAR		0.114			0.14		
		10g SAR		0.064			0.08		
		Deviation		0.04			0.04		

Table 14-4 WCDMA1700-BIV #1Body

WCDMA1700-BIV #1Body									
Ambient Temperature:			22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]			
			CH1513 1752.6 MHz	CH1412 1732.4 MHz	CH1312 1712.4 MHz	CH1513 1752.6 MHz	CH1412 1732.4 MHz	CH1312 1712.4 MHz	
RMC	Tune-up		23.00	23.00	23.00	Scaling factor*			
	Slot Average Power [dBm]		21.97	21.96	22.19	1.27	1.27	1.21	
	Front	1g SAR		0.258			0.33		
		10g SAR		0.246			0.31		
		Deviation		0.03			0.03		
	Rear	1g SAR	0.474	0.455	0.424	0.60	0.58	0.51	
		10g SAR	0.258	0.293	0.268	0.33	0.37	0.32	
		Deviation	-0.17	-0.09	-0.01	-0.17	-0.09	-0.01	
	Left edge	1g SAR		0.155			0.20		
		10g SAR		0.084			0.11		
		Deviation		0.04			0.04		
	Right edge	1g SAR		0.107			0.14		
		10g SAR		0.068			0.09		
		Deviation		0.02			0.02		
	Bottom edge	1g SAR		0.359			0.46		
		10g SAR		0.222			0.28		
Deviation			0.07			0.07			

Table 14-5 WCDMA850-BV #1Head

WCDMA850-BV #1Head									
Ambient Temperature:			22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]			
			CH4233 846.6 MHz	CH4182 835.4 MHz	CH4132 826.4 MHz	CH4233 846.6 MHz	CH4182 835.4 MHz	CH4132 826.4 MHz	
RMC	Tune-up		24.00	24.00	24.00	Scaling factor*			
	Slot Average Power [dBm]		23.03	23.10	23.04	1.25	1.23	1.25	
	Left Cheek	1g SAR	0.377	0.34	0.262	0.47	0.42	0.33	
		10g SAR	0.283	0.254	0.197	0.35	0.31	0.25	
		Deviation	-0.01	0.04	0.02	-0.01	0.04	0.02	
	Left Tilt	1g SAR		0.161			0.20		
		10g SAR		0.124			0.15		
		Deviation		-0.05			-0.05		
	Right Cheek	1g SAR		0.307			0.38		
		10g SAR		0.221			0.27		
		Deviation		0.01			0.01		
	Right Tilt	1g SAR		0.165			0.20		
		10g SAR		0.127			0.16		
		Deviation		0.09			0.09		

Table 14-6 WCDMA850-BV #1Body

WCDMA850-BV #1Body									
Ambient Temperature:			22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]			
			CH4233 846.6 MHz	CH4182 835.4 MHz	CH4132 826.4 MHz	CH4233 846.6 MHz	CH4182 835.4 MHz	CH4132 826.4 MHz	
RMC	Tune-up		24.00	24.00	24.00	Scaling factor*			
	Slot Average Power [dBm]		23.03	23.10	23.04	1.25	1.23	1.25	
	Front	1g SAR		0.22			0.27		
		10g SAR		0.174			0.21		
		Deviation		0.04			0.04		
	Rear	1g SAR	0.453	0.387	0.294	0.57	0.48	0.37	
		10g SAR	0.347	0.304	0.228	0.43	0.37	0.28	
		Deviation	-0.05	-0.01	0.02	-0.05	-0.01	0.02	
	Left edge	1g SAR		0.279			0.34		
		10g SAR		0.195			0.24		
		Deviation		0.08			0.08		
	Right edge	1g SAR		0.114			0.14		
		10g SAR		0.078			0.10		
		Deviation		-0.02			-0.02		
	Bottom edge	1g SAR		0.087			0.11		
10g SAR			0.05			0.06			
Deviation			0.04			0.04			

Table 14-7 LTE1900-FDD2 #1 Head

LTE1900-FDD2 #1 Head									
Ambient Temperature:			22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]			
			19100	18900	18700	19100	18900	18700	
			M	H	M	M	H	M	
20MHz QPSK1RB	Tune-up		23.00	23.00	23.00	Scaling factor*			
	Measured Power [dBm]		22.84	22.30	21.95	1.04	1.17	1.27	
	Left Cheek	1g SAR	0.112			0.12			
		10g SAR	0.068			0.07			
		Deviation	-0.03			-0.03			
	Left Tilt	1g SAR	0.066			0.07			
		10g SAR	0.038			0.04			
		Deviation	0.01			0.01			
	Right Cheek	1g SAR	0.243			0.25			
		10g SAR	0.146			0.15			
		Deviation	0.03			0.03			
	Right Tilt	1g SAR	0.059			0.06			
		10g SAR	0.032			0.03			
		Deviation	-0.09			-0.09			
	TRUE	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
19100				18900	18700	19100	18900	18700	
L				H	H	L	H	H	
20MHz QPSK50% RB	Tune-up		22.00	22.00	22.00	Scaling factor*			
	Measured Power [dBm]		21.49	21.25	20.90	1.13	1.19	1.29	
	Left Cheek	1g SAR	0.089			0.10			
		10g SAR	0.058			0.07			
		Deviation	0.04			0.04			
	Left Tilt	1g SAR	0.048			0.05			
		10g SAR	0.026			0.03			
		Deviation	0.08			0.08			
	Right Cheek	1g SAR	0.165			0.19			
		10g SAR	0.1			0.11			
		Deviation	0.01			0.01			
	Right Tilt	1g SAR	0.039			0.04			
		10g SAR	0.022			0.02			
		Deviation	0.03			0.03			

Table 14-8 LTE1900-FDD2 #1 Body

LTE1900-FDD2 #1 Body									
Ambient Temperature:			22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]			
			19100	18900	18700	19100	18900	18700	
			M	H	M	M	H	M	
20MHz QPSK1RB	Tune-up		23.00	23.00	23.00	Scaling factor*			
	Measured Power [dBm]		22.84	22.30	21.95	1.04	1.17	1.27	
	Front	1g SAR	0.263			0.27			
		10g SAR	0.163			0.17			
		Deviation	0.05			0.05			
	Rear	1g SAR	0.379			0.39			
		10g SAR	0.199			0.21			
		Deviation	-0.02			-0.02			
	Left edge	1g SAR	0.076			0.08			
		10g SAR	0.042			0.04			
		Deviation	-0.01			-0.01			
	Right edge	1g SAR	0.106			0.11			
		10g SAR	0.066			0.07			
		Deviation	0.06			0.06			
	Bottom edge	1g SAR	0.446			0.46			
10g SAR		0.251			0.26				
Deviation		0.02			0.02				
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]			
			19100	18900	18700	19100	18900	18700	
			L	H	H				
20MHz QPSK50% RB	Tune-up		22.00	22.00	22.00	Scaling factor*			
	Measured Power [dBm]		21.49	21.25	20.90	1.13	1.19	1.29	
	Front	1g SAR	0.203			0.23			
		10g SAR	0.126			0.14			
		Deviation	-0.07			-0.07			
	Rear	1g SAR	0.3			0.34			
		10g SAR	0.158			0.18			
		Deviation	-0.01			-0.01			
	Left edge	1g SAR	0.076			0.09			
		10g SAR	0.045			0.05			
		Deviation	0.05			0.05			
	Right edge	1g SAR	0.082			0.09			
		10g SAR	0.05			0.06			
		Deviation	0.1			0.10			
	Bottom edge	1g SAR	0.328			0.37			
10g SAR		0.184			0.21				
Deviation		0.04			0.04				



Table 14-9 LTE850-FDD5 #1 Head

LTE850-FDD5 #1 Head								
Ambient Temperature:		22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			20600	20525	20450	20600	20525	20450
			M	M	M	M	M	M
10MHz QPSK1RB	Tune-up		23.50	23.50	23.50	Scaling factor*		
	Measured Power [dBm]		22.77	22.91	22.80	1.18	1.15	1.18
	Left Cheek	1g SAR		0.269			0.31	
		10g SAR		0.202			0.23	
		Deviation		0.1			0.10	
	Left Tilt	1g SAR		0.149			0.17	
		10g SAR		0.114			0.13	
		Deviation		0.05			0.05	
	Right Cheek	1g SAR		0.242			0.28	
		10g SAR		0.178			0.20	
		Deviation		0.01			0.01	
	Right Tilt	1g SAR		0.134			0.15	
		10g SAR		0.101			0.12	
		Deviation		-0.06			-0.06	
TRUE	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			20600	20525	20450	20600	20525	20450
			H	M	H	H	M	H
10MHz QPSK50% RB	Tune-up		22.50	22.50	22.50	Scaling factor*		
	Measured Power [dBm]		21.51	21.67	21.62	1.26	1.21	1.22
	Left Cheek	1g SAR		0.206			0.25	
		10g SAR		0.154			0.19	
		Deviation		-0.03			-0.03	
	Left Tilt	1g SAR		0.112			0.14	
		10g SAR		0.085			0.10	
		Deviation		-0.12			-0.12	
	Right Cheek	1g SAR		0.19			0.23	
		10g SAR		0.14			0.17	
		Deviation		0.05			0.05	
	Right Tilt	1g SAR		0.104			0.13	
		10g SAR		0.08			0.10	
		Deviation		0.03			0.03	

Table 14-10 LTE850-FDD5 #1 Body

LTE850-FDD5 #1 Body								
Ambient Temperature: 22.5			Liquid Temperature: 22.3					
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			20600	20525	20450	20600	20525	20450
			M	M	M	M	M	M
10MHz QPSK1RB	Tune-up		23.50	23.50	23.50	Scaling factor*		
	Measured Power [dBm]		22.77	22.91	22.80	1.18	1.15	1.18
	Front	1g SAR		0.217			0.25	
		10g SAR		0.091			0.10	
		Deviation		-0.04			-0.04	
	Rear	1g SAR		0.374			0.43	
		10g SAR		0.166			0.19	
		Deviation		0.01			0.01	
	Left edge	1g SAR		0.225			0.26	
		10g SAR		0.09			0.10	
		Deviation		-0.09			-0.09	
	Right edge	1g SAR		0.189			0.22	
		10g SAR		0.076			0.09	
		Deviation		0.01			0.01	
	Bottom edge	1g SAR		0.073			0.08	
		10g SAR		0.023			0.03	
Deviation			0.05			0.05		
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			20600	20525	20450	20600	20525	20450
			H	M	H			
10MHz QPSK50% RB	Tune-up		22.50	22.50	22.50	Scaling factor*		
	Measured Power [dBm]		21.51	21.67	21.62	1.26	1.21	1.22
	Front	1g SAR		0.17			0.21	
		10g SAR		0.075			0.09	
		Deviation		0.02			0.02	
	Rear	1g SAR		0.29			0.35	
		10g SAR		0.13			0.16	
		Deviation		0.07			0.07	
	Left edge	1g SAR		0.177			0.21	
		10g SAR		0.07			0.08	
		Deviation		-0.02			-0.02	
	Right edge	1g SAR		0.148			0.18	
		10g SAR		0.059			0.07	
		Deviation		-0.05			-0.05	
	Bottom edge	1g SAR		0.055			0.07	
		10g SAR		0.018			0.02	
Deviation			-0.02			-0.02		



Table 14-11 LTE700-FDD12 #1 Head

LTE700-FDD12 #1 Head								
Ambient Temperature:		22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			23130	23095	23060	23130	23095	23060
			M	H	M	M	H	M
10MHz QPSK1RB	Tune-up		23.80	23.80	23.80	Scaling factor*		
	Measured Power [dBm]		23.33	23.38	23.31	1.11	1.10	1.12
	Left Cheek	1g SAR		0.051			0.06	
		10g SAR		0.039			0.04	
		Deviation		-0.07			-0.07	
	Left Tilt	1g SAR		0.034			0.04	
		10g SAR		0.019			0.02	
		Deviation		0.05			0.05	
	Right Cheek	1g SAR		0.041			0.05	
		10g SAR		0.029			0.03	
		Deviation		0.05			0.05	
	Right Tilt	1g SAR		0.027			0.03	
		10g SAR		0.012			0.01	
		Deviation		0.04			0.04	
TRUE	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			23130	23095	23060	23130	23095	23060
			M	M	M	M	M	M
10MHz QPSK50% RB	Tune-up		22.80	22.80	22.80	Scaling factor*		
	Measured Power [dBm]		22.20	22.08	22.20	1.15	1.18	1.15
	Left Cheek	1g SAR			0.046			0.05
		10g SAR			0.034			0.04
		Deviation			-0.06			-0.06
	Left Tilt	1g SAR			0.029			0.03
		10g SAR			0.014			0.02
		Deviation			-0.01			-0.01
	Right Cheek	1g SAR			0.038			0.04
		10g SAR			0.022			0.03
		Deviation			-0.05			-0.05
	Right Tilt	1g SAR			0.02			0.02
		10g SAR			0.011			0.01
		Deviation			-0.09			-0.09

Table 14-12 LTE700-FDD12 #1 Body

LTE700-FDD12 #1 Body								
Ambient Temperature: 22.5						Liquid Temperature: 22.3		
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			23130	23095	23060	23130	23095	23060
			M	H	M	M	H	M
10MHz QPSK1RB	Tune-up		23.80	23.80	23.80	Scaling factor*		
	Measured Power [dBm]		23.33	23.38	23.31	1.11	1.10	1.12
	Front	1g SAR		0.055			0.06	
		10g SAR		0.044			0.05	
		Deviation		0.13			0.13	
	Rear	1g SAR		0.046			0.05	
		10g SAR		0.041			0.05	
		Deviation		0.05			0.05	
	Left edge	1g SAR		0.022			0.02	
		10g SAR		0.018			0.02	
		Deviation		-0.09			-0.09	
	Right edge	1g SAR		0.018			0.02	
		10g SAR		0.014			0.02	
		Deviation		-0.01			-0.01	
	Bottom edge	1g SAR		0.043			0.05	
10g SAR			0.038			0.04		
Deviation			0.05			0.05		
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			23130	23095	23060	23130	23095	23060
			M	M	M			
10MHz QPSK50% RB	Tune-up		22.80	22.80	22.80	Scaling factor*		
	Measured Power [dBm]		22.20	22.08	22.20	1.15	1.18	1.15
	Front	1g SAR			0.036			0.04
		10g SAR			0.034			0.04
		Deviation			0.06			0.06
	Rear	1g SAR			0.033			0.04
		10g SAR			0.029			0.03
		Deviation			0.02			0.02
	Left edge	1g SAR			0.016			0.02
		10g SAR			0.013			0.01
		Deviation			0.07			0.07
	Right edge	1g SAR			0.013			0.01
		10g SAR			0.011			0.01
		Deviation			-0.02			-0.02
	Bottom edge	1g SAR			0.039			0.04
10g SAR				0.034			0.04	
Deviation				0.06			0.06	



Table 14-13 LTE700-FDD14 #1 Head

LTE700-FDD14 #1 Head								
Ambient Temperature:		22.5			Liquid Temperature:			22.3
Mode	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			23330	23330	23330	23330	23330	23330
			L	M	H	L	M	H
10MHz QPSK1RB	Tune-up		24.00	24.00	24.00	Scaling factor*		
	Measured Power [dBm]		23.08	23.54	0.00	1.24	1.11	251.19
	Left Cheek	1g SAR		0.116			0.13	
		10g SAR		0.088			0.10	
		Deviation		0.15			0.15	
	Left Tilt	1g SAR		0.08			0.09	
		10g SAR		0.059			0.07	
		Deviation		0.06			0.06	
	Right Cheek	1g SAR		0.111			0.12	
		10g SAR		0.078			0.09	
		Deviation		-0.01			-0.01	
	Right Tilt	1g SAR		0.077			0.09	
		10g SAR		0.058			0.06	
		Deviation		-0.05			-0.05	
TRUE	Device orientation	SAR measurement	Measured SAR [W/kg]			Reported SAR [W/kg]		
			23330	23330	23330	23330	23330	23330
			L	H	H	L	H	H
10MHz QPSK50% RB	Tune-up		23.00	23.00	23.00	Scaling factor*		
	Measured Power [dBm]		22.32	0.00	0.00	1.17	199.53	199.53
	Left Cheek	1g SAR	0.095			0.11		
		10g SAR	0.069			0.08		
		Deviation	0.03			0.03		
	Left Tilt	1g SAR	0.067			0.08		
		10g SAR	0.048			0.06		
		Deviation	0.09			0.09		
	Right Cheek	1g SAR	0.09			0.11		
		10g SAR	0.066			0.08		
		Deviation	0.01			0.01		
	Right Tilt	1g SAR	0.065			0.08		
		10g SAR	0.048			0.06		
		Deviation	0.02			0.02		